

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

Work Order ID 148163

Monday, June 27, 2016 11:39:06 AM

148163

Page 2

Item ID: D2484

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Locknut

Start Date: 6/22/2016 Start Qty: 20.00

20

Cust Item ID:

Required Date: 6/27/2016 Req'd Qty: 20.00

20

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>St007</u>	0.00							
130									
Packaging	Memo	0.03				<u>20</u>	<u>DAS</u> <u>6</u> <u>9-89</u>		JUL 06 2016
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.33							<u>16/7/7-8</u>
Quality Control									

DAS
21
9-89 JUL 06 2016

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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER : _____							

Picklist Print

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Page 1

Work Order ID: 148163

148163

Parent Item: D2484

D2484

Parent Item Name: Locknut

Start Date: 6/22/2016

Required Date: 6/27/2016

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP A00.03.02New IssueEC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2484P		Purchased	No			110	Each	0.0000	1	20			
D2484P									**				
Lock Nut													

JUL 04 2016

DAS
8-89

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									



DESIGN B WILLIAMS	DRAWN BY B WILLIAMS	DART AEROSPACE LTD VICTORIA INTERNATIONAL AIRPORT, CANADA	
CHECKED B W	APPROVED 	DRAWING NO. D2484	REV. A SHEET 1 OF 1
DATE 95:10:06		TITLE LOCK NUT	

SPECIFICATION CONTROL DRAWING



JUN 27 2016

DAS
13
9-89

W/D: 148163

1/4-20 LOW PROFILE
NYLON LOCK NUT



OR

1/4-20 SERATED FLANGE
LOCK NUT





McMASTER-CARR®

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO32859

Order Placed By
Chantal Lavoie

McMaster-Carr Number
5269502-02

Page 1 of 1

06/29/2016

Line	Product	Ordered	Shipped
1	91343A100 Type 316 Stainless Steel Serrated-Flange Locknut, 1/4"-20 Thread, 19/32" Flange Diameter, 15/64" Overall HT., Packs of 10, Sold In Standard Packs of 10 Each.	2 Packs	2
2	6641A41 Loctite Gasket Maker, #598, 2.36 oz Tube	8 Each	8
3	30345T548 18-8 Stainless Steel Wire Rope Lanyard - Not for Lifting, Loop-to-Tab, 3/64" Rope Diameter, 8" LG, Nylon, Replaces 30345T22 Your Part Number: LOAD RATED	4 Each	4
4	1852A61 Load-Rated Surface-Mount Hinge, with Holes, #150 Cap/Pair, Primed Steel, 4" W, Non-Cntrsunk	2 Each	2
5	28555A33 Chip-Clearing Cobalt Steel Jobbers' Drill Bit, #12 Wire Gauge, 3-3/8" L Overall, 1.94" Drill Depth	12 Each	11
6	7147K21 15-Amp Plastic Outlet Strip, with Six 90 Degree Outlets, 6' Cord	3 Each	3
7	7016K16 Single Outlet, Light Duty Spring-Rewind Reel	2 Each	2
8	7074T3 Swab, Cotton, Wood Handle, 1/8" Diameter X 1/2" L Tip, 6" L Overall, Packs of 100	6 Packs	6

Shipped separately from our Chicago warehouse on 06/29

5	28555A33 Chip-Clearing Cobalt Steel Jobbers' Drill Bit, #12 Wire Gauge, 3-3/8" L Overall, 1.94" Drill Depth	12 Each	1
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO32859

Purchase Order Date 6/28/2016

PO Print Date 6/29/2016

Page Number 1 of 4

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

E-MAILED

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via: Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

Terms

Currency

FOB

10127-2607

Net 10

USD

FCA - (Free Carrier)

JUN 29 2016

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	D2484P	Lock Nut	7/5/2016 Yes 7/5/2016		20.00 Each	\$0.88	\$17.66
	AS PER DWG D2484 REV. A B148163 MCMaster P/N: 91343A100						
						Line Total:	\$17.66
2	601.2045	RTV (LOCTITE 598)McMaster p/n: 6641A41	7/5/2016 Yes 7/5/2016		8.00 Each	\$13.80	\$110.40
	CC6096					Line Total:	\$110.40
3	30345T22	8" LANYARD	7/5/2016 Yes 7/5/2016		4.00 Each	\$2.44	\$9.76
	51581				16/7/4 52		

Note:

6/29/2016